

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/315,355DATE: 05/28/1999  
TIME: 10:37:25

INPUT SET: S32033.raw

This Raw Listing contains the General  
Information Section and up to the first 5 pages.

## SEQUENCE LISTING

**ENTERED**

1  
2  
3 (1) General Information:  
4  
5 (i) APPLICANT: KEESEE, SUSAN  
6 OBAR, ROBERT  
7 WU, YING-JYE  
8  
9 (ii) TITLE OF INVENTION: METHODS AND COMPOSITIONS FOR THE  
10 DETECTION OF CERVICAL CANCER  
11  
12 (iii) NUMBER OF SEQUENCES: 46  
13  
14 (iv) CORRESPONDENCE ADDRESS:  
15 (A) ADDRESSEE: Testa, Hurwitz & Thibault  
16 (B) STREET: 125 High St.  
17 (C) CITY: Boston  
18 (D) STATE: MA  
19 (E) COUNTRY: USA  
20 (F) ZIP: 02110  
21  
22 (v) COMPUTER READABLE FORM:  
23 (A) MEDIUM TYPE: Floppy disk  
24 (B) COMPUTER: IBM PC compatible  
25 (C) OPERATING SYSTEM: PC-DOS/MS-DOS  
26 (D) SOFTWARE: PatentIn Release #1.0, Version #1.30  
27  
28 (vi) CURRENT APPLICATION DATA:  
29 (A) APPLICATION NUMBER:  
30 (B) FILING DATE:  
31 (C) CLASSIFICATION:  
32  
33 (viii) ATTORNEY/AGENT INFORMATION:  
34 (A) NAME: GREENHALGH, DUNCAN A  
35 (B) REGISTRATION NUMBER: 38,678  
36 (C) REFERENCE/DOCKET NUMBER: MTP-023 (8395/27)  
37  
38 (ix) TELECOMMUNICATION INFORMATION:  
39 (A) TELEPHONE: (617) 248-7000  
40 (B) TELEFAX: (617) 248-7100  
41  
42  
43 (2) INFORMATION FOR SEQ ID NO:1:  
44  
45 (i) SEQUENCE CHARACTERISTICS:  
46 (A) LENGTH: 11 amino acids

RAW SEQUENCE LISTING  
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47 (B) TYPE: amino acid  
48 (C) STRANDEDNESS:  
49 (D) TOPOLOGY: linear  
50  
51 (ii) MOLECULE TYPE: peptide  
52  
53  
54  
55  
56 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:1:  
57  
58 Pro Ala Ala Ser Leu Ala Val His Thr Asp Lys  
59 1 5 10  
60  
61 (2) INFORMATION FOR SEQ ID NO:2:  
62  
63 (i) SEQUENCE CHARACTERISTICS:  
64 (A) LENGTH: 7 amino acids  
65 (B) TYPE: amino acid  
66 (C) STRANDEDNESS:  
67 (D) TOPOLOGY: linear  
68  
69 (ii) MOLECULE TYPE: peptide  
70  
71  
72  
73  
74 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:2:  
75  
76 Phe Ser Gly Gln Ile Glu Arg  
77 1 5  
78  
79 (2) INFORMATION FOR SEQ ID NO:3:  
80  
81 (i) SEQUENCE CHARACTERISTICS:  
82 (A) LENGTH: 9 amino acids  
83 (B) TYPE: amino acid  
84 (C) STRANDEDNESS:  
85 (D) TOPOLOGY: linear  
86  
87 (ii) MOLECULE TYPE: peptide  
88  
89  
90  
91  
92 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:3:  
93  
94 Arg Leu Ile Ala Glu Ala Lys Glu Lys  
95 1 5  
96  
97 (2) INFORMATION FOR SEQ ID NO:4:  
98  
99 (i) SEQUENCE CHARACTERISTICS:

RAW SEQUENCE LISTING  
PATENT APPLICATION US/09/315,355DATE: 05/28/1999  
TIME: 10:37:25

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100 (A) LENGTH: 9 amino acids  
101 (B) TYPE: amino acid  
102 (C) STRANDEDNESS:  
103 (D) TOPOLOGY: linear  
104  
105 (ii) MOLECULE TYPE: peptide  
106  
107  
108  
109  
110 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:4:  
111  
112 Pro Ser Leu Val His Ser Arg Asp Met  
113 1 5  
114  
115 (2) INFORMATION FOR SEQ ID NO:5:  
116  
117 (i) SEQUENCE CHARACTERISTICS:  
118 (A) LENGTH: 16 amino acids  
119 (B) TYPE: amino acid  
120 (C) STRANDEDNESS:  
121 (D) TOPOLOGY: linear  
122  
123 (ii) MOLECULE TYPE: peptide  
124  
125  
126  
127  
128 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:5:  
129  
130 Val Trp Asp Ile Ser Thr Val Ser Ser Val Asn Glu Ala Phe Gly Arg  
131 1 5 10 15  
132  
133  
134 (2) INFORMATION FOR SEQ ID NO:6:  
135  
136 (i) SEQUENCE CHARACTERISTICS:  
137 (A) LENGTH: 18 amino acids  
138 (B) TYPE: amino acid  
139 (C) STRANDEDNESS:  
140 (D) TOPOLOGY: linear  
141  
142 (ii) MOLECULE TYPE: peptide  
143  
144  
145  
146  
147 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:6:  
148  
149 Leu Val Leu Gly Ser Ala Arg Asn Ser Ser Ile Ser Gly Pro Phe Gly  
150 1 5 10 15  
151  
152 Ser Arg

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153  
154  
155 (2) INFORMATION FOR SEQ ID NO:7:  
156  
157 (i) SEQUENCE CHARACTERISTICS:  
158 (A) LENGTH: 25 amino acids  
159 (B) TYPE: amino acid  
160 (C) STRANDEDNESS:  
161 (D) TOPOLOGY: linear  
162  
163 (ii) MOLECULE TYPE: peptide  
164  
165  
166  
167  
168 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:7:  
169  
170 Ser Asp Lys Pro Ile Phe Thr Leu Asn Ala His Asn Asp Glu Ile Ser  
171 1 5 10 15  
172  
173 Gly Leu Asp Leu Ser Ser Gln Ile Lys  
174 20 25  
175  
176 (2) INFORMATION FOR SEQ ID NO:8:  
177  
178 (i) SEQUENCE CHARACTERISTICS:  
179 (A) LENGTH: 21 amino acids  
180 (B) TYPE: amino acid  
181 (C) STRANDEDNESS:  
182 (D) TOPOLOGY: linear  
183  
184 (ii) MOLECULE TYPE: peptide  
185  
186  
187  
188  
189 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:8:  
190  
191 Val Gln Thr Leu Gln Phe His Pro Phe Glu Ala Gln Thr Leu Ile Ser  
192 1 5 10 15  
193  
194 Gly Ser Tyr Asp Lys  
195 20  
196  
197 (2) INFORMATION FOR SEQ ID NO:9:  
198  
199 (i) SEQUENCE CHARACTERISTICS:  
200 (A) LENGTH: 23 amino acids  
201 (B) TYPE: amino acid  
202 (C) STRANDEDNESS:  
203 (D) TOPOLOGY: linear  
204  
205 (ii) MOLECULE TYPE: peptide

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207

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210 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:9:

211

212 Met Gly Val Leu Phe Cys Ser Ser Cys Cys Pro Asp Leu Pro Phe Ile

213 1 5 10 15

214

215 Tyr Ala Phe Gly Gly Gln Lys

216 20

217

218 (2) INFORMATION FOR SEQ ID NO:10:

219

220 (i) SEQUENCE CHARACTERISTICS:

221 (A) LENGTH: 501 amino acids

222 (B) TYPE: amino acid

223 (C) STRANDEDNESS:

224 (D) TOPOLOGY: linear

225

226 (ii) MOLECULE TYPE: peptide

227

228

229

230

231 (xi) SEQUENCE DESCRIPTION: SEQ ID NO:10:

232

233 Met Asn Arg Ser Arg Gln Val Thr Cys Val Ala Trp Val Arg Cys Gly

234 1 5 10 15

235

236 Val Ala Lys Glu Thr Pro Asp Lys Val Glu Leu Ser Lys Glu Glu Val

237 20 25 30

238

239 Lys Arg Leu Ile Ala Glu Ala Lys Glu Lys Leu Gln Glu Glu Gly Gly

240 35 40 45

241

242 Gly Ser Asp Glu Glu Glu Thr Gly Ser Pro Ser Glu Asp Gly Met Gln

243 50 55 60

244

245 Ser Ala Arg Thr Gln Ala Arg Pro Arg Glu Pro Leu Glu Asp Gly Asp

246 65 70 75 80

247

248 Pro Glu Asp Asp Arg Thr Leu Asp Asp Asp Glu Leu Ala Glu Tyr Asp

249 85 90 95

250

251

PAGE: 1

**SEQUENCE VERIFICATION REPORT**  
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Line

Error

Original Text